



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

May 13, 2016

Joanna Holcombe  
Sr. Regularity Assurance Associate  
Arch Chemicals, Inc.  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA 30004

Subject: Notification per PRN 98-10 – Minor label revisions and added graphics  
Product Name: AW90 (PRO-MASS)  
EPA Registration Number: 1258-1353  
Application Date: April 14, 2016  
Decision Number: 517089

Dear Ms. Holcombe:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Donna Kamarei at (703)347-0443 or via email at [Kamarei.donna@epa.gov](mailto:Kamarei.donna@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Demson Fuller", is positioned above the printed name.

Demson Fuller  
Product Manager – Team 32  
Regulatory Management Branch II  
Antimicrobials Division (7510P)

1258-1353

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

05/13/2016

Note to reviewer:

[All text in brackets [AAA] is optional and may/may not be included on all end-use labels]

{All text in braces {AAA} is for information purposes and will not appear on final label}

## AW90 (PRO-MASS)

### ACTIVE INGREDIENT:

Calcium Hypochlorite .....59.5%

OTHER INGREDIENTS .....40.5%

TOTAL .....100.0%

[Minimum Available Chlorine .....58%]

**KEEP OUT OF REACH OF CHILDREN**

**[MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS]**

## DANGER [PELIGRO]

Contamination or improper use may cause fire, explosion, or the release of toxic gases. Do not allow product to contact any foreign matter, including other water treatment products. If product is exposed to small amounts of water, it can react violently to produce heat and toxic gases and spatter. Do not add water to this product. Only add this product directly to your [swimming pool][,][[or] spa][or skimmer].

{Note to reviewer: Although this product has a "Danger" signal word, as per the EPA label review manual "The Agency may permit reasonable variations in the placement of the First Aid statement as long as the reference statement, "See First Aid (or Statement of Practical Treatment) on (identify appropriate panel)" appears on the front panel." If the First Aid Statements are placed on the front panel of the final graphic label, the statement below will only reference Precautionary Statements.}

Read all Precautionary [and First Aid] Statements on [back] [side] [right] [left] panel before use.

[Manufactured for] [Sold by]:

Arch Chemicals, Inc.

P.O. Box 724438

Atlanta, GA 31139-~~1438~~

EPA Reg. No. 1258-1353

[Superscript Used in Lot Number]

EPA EST. NO. XXXX-YY-ZZZ

NET WEIGHT

**PRECAUTIONARY STATEMENTS:****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, absorbed through skin, or inhaled.**

- [•] Open in a well-ventilated area. Avoid breathing dust and fumes.
- [•] Do not get in eyes, on skin, or on clothing. Do not handle with bare hands. Wear protective eyewear and use rubber gloves. For additional protection of skin, wear long sleeves and long pants.
- [•] Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- [•] Remove and wash contaminated clothing before reuse.

**FIRST AID:**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**IN CASE OF EMERGENCY CALL: 1-800-654-6911**

**PHYSICAL AND CHEMICAL HAZARDS:**

**If product is exposed to small amounts of water, it can react violently to produce heat and toxic gases and spatter. Do not pre-mix or add water to this product. Only add this product directly to your [swimming pool] [,][[or] spa][or skimmer].**

- [•] Do not allow to become wet or damp before use.

**Can react with other materials, including other water treatment products, to cause intense fire, explosion, and the release of toxic gases.**

- [•] Keep all foreign matter, including other water treatment products, away from this product.
- [•] *{For use with resealable packaging.}* Use only clean, dry utensils to dispense this product.
- [•] *{For residential use:}* [Do not use this product in a floater or feeder.] *{For industrial, commercial or municipal use:}* [Do not use this product in a floater or feeder that has been used with any other product.]
- [•] Do not allow this product to contact other water treatment products. Before placing this product in a skimmer, make sure skimmer is completely clean and free of residue from other water treatment products.

**Exposure to heat can cause this product to rapidly decompose, leading to fire, explosion, and the release of toxic gases.**

- [•] Store in a cool, dry, well-ventilated area.

**Strong oxidizing agent. This product can increase fire intensity.**

- [•] Keep away from heat and from flame and burning material, including lighted cigarettes.

*{First sentence of paragraph below for containers less than 50 lbs. All others use full paragraph.}*

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or public waters unless in accordance with the requirements of National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}  
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)*

#### **DIRECTIONS FOR USE:**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### **READ ALL PRECAUTIONARY STATEMENTS BEFORE USE.**

[This product is a concentrated chlorinating agent.] [It is in a dry, free-flowing form.] [It kills bacteria, controls algae and destroys organic contaminants in pools [, spas and hot tubs].]

#### **{Use 1} [SWIMMING POOLS]**

##### **{Mass Channel}**

##### **{Sanitizer}**

**[WHY YOU SHOULD USE THIS PRODUCT:** [This is an effective, [sanitizer] product that [kills bacteria and algae], [and] [is fast dissolving], and [will not lower pH]. [This product provides crystal clear results in 24 hours and won't fade liners.] [It is convenient, easy to use, and won't over-stabilize your pool.]

##### **{Shock}**

**[WHY YOU SHOULD USE THIS PRODUCT:** [This is an effective, [shock] product that [kills bacteria and algae], [is fast dissolving], [and] [will no lower pH,] [and] [provides crystal clear results in 24 hours.] [This product won't fade liners.] [It is convenient, easy to use, and won't over-stabilize your pool.]

##### ***{Optional statement for pool care program for the [Brand A]}***

[For crystal clear pool water, follow our [Brand A] 4 step pool care program: Step 1: Test and adjust pool water balance, Step 2: Sanitize, Step 3: Shock treat your pool at least once a week, and Step 4: Add algaecide regularly].

##### ***{Optional statement for pool care program with the [Brand B]}***

[For crystal clear pool water, follow our [Brand B] 3-Step Program: Step 1: Test and balance pool water, Step 2: Sanitize, and Step 3: Shock at least once a week.]

##### ***{Optional statement for pool care program for the [Brand C]}***

[Take a pool water sample to your [authorized] [Brand C] retailer for a detailed water analysis.]

##### **{Dealer Channel}**

**[WHY YOU SHOULD USE THIS PRODUCT:** This is an effective, [multi-purpose] [shock] [sanitizer] product that ~~[works -ly]~~ [destroys bacteria and algae] [and] restores crystal clarity to pool water][sanitizes], [clarifies], [helps] prevent[s] [kills] algae and [shock treats your pool]. [It is convenient, easy to use, and won't over-stabilize your pool.]

[For best results, follow a weekly program with our [brand] System. Consult your authorized [brand] dealer for advice on the system that best suits your pool and your lifestyle.] [Take a pool water sample to your authorized [brand] dealer regularly for a detailed water analysis.] **[For crystal clear pool water, follow the [brand] 3 step pool care program:** Step 1: Sanitize [It], Step 2: Shock [It] Step 3: Defend [It].]

##### **[WATER BALANCE:]**

[Adjust and maintain total alkalinity from 60 to 100 parts per million (ppm), pH from 7.2 to 7.6, and calcium hardness above 200 ppm. [Always check and adjust total alkalinity before adjusting pH levels.] Test frequently using [a brand] [test kit] {or} [test strips] that measure[s] all of the above ranges. Follow the label directions for each product and allow each product to dissolve and disperse before adding additional products to the pool.]

##### **{Mass Channel}**

[[Download the [FREE] [Test to Swim™] [application name] app from your smartphone] [for expert water analysis, product recommendations, and dosage instructions].]

[Visit a [Test to Swim™ Station] [device/station name], at participating retailers, for expert water analysis, product recommendations and dosage instructions. [To find a participating retailer near you, visit [www.hthpools.com/XXX](http://www.hthpools.com/XXX)].]

[Use a [Test to Swim™ Station] [device/station name] (at participating retailers) or download the Test to Swim™ [application name] app from your smartphone] [for expert water analysis, product recommendations, and dosage instructions].]

**{Dealer Channel}**

[Take a pool water sample to your [brand] dealer frequently to test for water balance.] Maintain free available chlorine between 1 - 4 ppm.]

{or}

[Adjust and maintain pool water to recommended ranges:

Acceptable Range for Balance	
Total Alkalinity	60-100 ppm
pH	7.2-7.6
Calcium Hardness	Above 200 ppm
Available Chlorine	1-4 ppm

NOTE: Follow the label directions for each product and allow each product to dissolve and disperse before adding additional products to the pool. Always check and adjust total alkalinity before adjusting pH levels. [Use a reliable test kit [or test strips] that measure[s] all these ranges.]]

**[METHOD OF APPLICATION:] [HOW TO USE:]**

*{When contents are in a resealable container:}* **[Use only a clean, dry [scoop] [lid] to measure this product]. [Do not use the [scoop] [lid] for any other purpose.]**

*{When contents are in a single use bag for use:}* **[Use entire contents of bag when opened].**

**DO NOT use in floater or feeder.**

**[[METHOD FOR DOSING DIRECTLY INTO POOL:]**

[Add the recommended dosage of this product [during evening hours] while the filter pump is running. When adding this product to your pool, broadcast the product evenly over a wide area in the deepest part of the pool. If any granules settle to the bottom of the pool, use brush to disperse until completely dissolved.

[Undissolved granules may cause bleaching or other damage to pool surfaces.]]

**[[METHOD FOR SKIMMER ADDITION:]**

[Use this method to avoid bleaching vinyl liner or paint.] Make sure that filter pump is on and properly recirculating through skimmer. Empty skimmer of all chemicals and/or debris. Contamination may cause an explosion or the release of toxic gases. DO NOT use this method when an automatic chemical dispensing device (e.g., feeder) is present. Pour this product slowly into skimmer, making sure that the material is drawn into the system at the same rate. DO NOT allow this material to accumulate as toxic gases may be generated.]]

Test free available chlorine residual with [a][brand] pool test kit [or test strips]. Do not enter pool until the free available chlorine residual is 1- 4 ppm. **Re-entry Into treated swimming pools is prohibited above levels of 4 ppm chlorine for risk of bodily injury.**

**[OPENING YOUR POOL:]**

Balance pool water per levels in WATER BALANCE section. Add a shock dosage of this product. Repeat dosage, as needed, until the free available chlorine residual is 1–4 ppm. Follow the label directions for each of these products.]

### **{Sanitizer Directions}**

#### **ROUTINE CHLORINATION:**

[For [Wading Pools], [Splasher Pools] [and] [Kiddie Pools]:]

[Throughout the pool season, add 0.14 oz [(3/4 teaspoon (tsp))] [(#<sup>1</sup> bag[s]<sup>2</sup>)] of this product per 200 gallons of pool water daily or as often as needed to maintain chlorine residual at 1-4 ppm.]

[For small pools less than 5,000 gallons:] [For pop-up pools:]

[FOR UNSTABILIZED POOLS: [Add 0.35 oz [(2 teaspoons (tsp))] [(# bag[s])] of this product per 500 gallons of pool water daily or as often as needed to maintain the free available chlorine residual at 1 – 4 ppm. FOR STABILIZED POOLS: Add 0.2 oz [(1 1/4 tsp)] [(# bag[s])] per 500 gallons every other day or as often as needed to maintain the free available chlorine residual at 1-4 ppm.]

[For pools up to 10,000 gallons:] [For pop-up, above ground and/or inground pools:]

[FOR UNSTABILIZED POOLS: [Add 0.7 oz [(1 1/2 tablespoon (Tbsp))[(4 teaspoons (tsp))] [(# bag[s])] per 1,000 gallons of pool water daily or as often as needed to maintain the free available chlorine residual at 1 – 4 ppm. FOR STABILIZED POOLS: Add 0.4 oz [(2 1/2 teaspoons (tsp)] [(# bag[s])] per 1,000 gallons every other day or as often as needed to maintain the free available chlorine residual at 1-4 ppm.]

[For pools 10,000 gallons and larger:]

[FOR UNSTABILIZED POOLS: Add 7 oz [(# bag[s])] of this product per 10,000 gallons of pool water daily or as often as needed to maintain the free available chlorine residual at 1 – 4 ppm.

FOR STABILIZED POOLS: Add 4 oz [(# bag[s])] per 10,000 gallons every other day or as often as needed to maintain the free available chlorine residual at 1-4 ppm.]

*{Chart may be used in whole or part based upon gallons for treatment. Single use bag sizes may vary from 1 oz to 32 oz. In the table below, the value for # will be calculated using the following formula:*

*# = dosage (oz) / bag size (oz)*

*For instance, if a 1 oz bag is used, the 2 oz dosage will say “2 oz (2 bags)”. No partial bag dosages (e.g. 1 ½ bags) will be listed.}*

[Use the following dosage recommendations based upon pool size.

<b>Pool size, gallons</b>	<b>Dosage for unstabilized pools</b>	<b>Dosage for stabilized pools</b>
500	0.35 oz [(2 tsp)] [(# bag[s])]	0.20 oz [(1 1/4 tsp)] [(# bag[s])]
1,000	0.7 oz [(1 1/2 Tbsp)] [(# bag[s])]	0.4 oz [(2 1/2 tsp)] [(# bag[s])]
2,500	1.75 oz [(3 1/2 Tbsp)] [(# bag[s])]	1 oz [(2 Tbsp)] [(# bag[s])]
5,000	3.5 oz [(# bag[s])]	2 oz [(# bag[s])]
7,500	5.25 oz [(# bag[s])]	3 oz [(# bag[s])]
10,000	7 oz [(# bag[s])]	4 oz [(# bag[s])]
15,000	10.5 oz [(# bag[s])]	6 oz [(# bag[s])]
20,000	14 oz [(# bag[s])]	8 oz [(# bag[s])]
30,000	21 oz [(# bag[s])]	12 oz [(# bag[s])]

]

### **{Shock Directions}**

#### **SHOCK TREATMENT / SUPERCHLORINATION:**

[As a preventative treatment, shock treat your pool once per week [with [brand] shock treatment]. Additional shock treatments may be necessary to remedy problems which may occur when bathing loads are high, water

<sup>1</sup> Single use bag sizes may vary from 1 oz to 32 oz. The value for # will be calculated using the following formula:

# = dosage (oz) / bag size (oz)

For instance, if a 1 oz bag is used, the 2 oz dosage will say “2 oz (2 bags)”. No partial bag dosages (e.g. 1 ½ bags) will be listed.}

<sup>2</sup> The word “bag[s]” may be substituted with other single use packing such as “pouch[es]”, “pod[s]”, or “pack[s]”.



appears hazy or dull, unpleasant odors or eye irritation occur, after heavy wind and rainstorms, or if algae does develop with resulting green color and slimy feeling.]

[For [Wading Pools], [Splasher Pools] [and] [Kiddie Pools]:]

[Every 7 days, or as necessary to prevent pool problems, shock treat / superchlorinate the pool by adding 0.22 oz [(1/2 tablespoon (Tbsp))] [(#<sup>3</sup> bag[s]<sup>4</sup>)] of this product per 200 gallons of water.]

[For small pools less than 5,000 gallons:] [For pop-up pools:]

[Every 7 days, or as necessary to prevent pool problems, shock treat / superchlorinate the pool by adding 0.56 oz [(1 tablespoon (Tbsp))] [(# bag[s])] of this product per 500 gallons of water.]

[For pools up to 10,000 gallons:] [For pop-up, above ground and/or inground pools:]

[Every 7 days, or as necessary to prevent pool problems, shock treat / superchlorinate the pool by adding 1.1 oz [(2 1/4 tablespoons (Tbsp))] [(# bag[s])] of this product per 1,000 gallons of water.]

[For pools 10,000 gallons and larger:] [For above ground and/or inground pools:]

[Every 7 days, or as necessary to prevent pool problems, shock treat / superchlorinate the pool by adding 1 pound [(# bag[s])] of this product per 14,000 gallons of water.]

[Additional shock treatments may be required to correct problems such as unpleasant odors, eye irritation due to pool water and visible algae, as well as problems caused by high bathing loads, heavy wind and rainstorms.]

*{Chart may be used in whole or part based upon gallons for treatment. Single use bag sizes may vary from 1 oz to 32 oz. In the table below, the value for # will be calculated using the following formula:*

*# = dosage (oz) / bag size (oz)*

*For instance, if a 1 oz bag is used, the 2 oz dosage will say "2 oz (2 bags)". No partial bag dosages (e.g. 1 1/2 bags) will be listed.}*

[Use the following dosage recommendations based upon pool size.

Pool size, gallons	Dosage[, ounces]
500	0.56 oz [(# bag[s])]
1,000	1.1 oz [(# bag[s])]
2,000	2.2 oz [(# bag[s])]
2,500	2.8 oz [(# bag[s])]
3,000	3.4 oz [(# bag[s])]
4,000	4.5 oz [(# bag[s])]
5,000	5.6 oz [(# bag[s])]
6,000	6.7 oz [(# bag[s])]
7,000	7.8 oz [(# bag[s])]
7,500	8.4 oz [(# bag[s])]
8,000	9.0 oz [(# bag[s])]
9,000	10.1 oz [(# bag[s])]
10,000	11.2 oz [(# bag[s])]
12,500	14 oz [(# bag[s])]
15,000	17 oz [(# bag[s])]
17,500	20 oz [(# bag[s])]
20,000	22 oz [(# bag[s])]
30,000	34 oz [(# bag[s])]

]

<sup>3</sup> Single use bag sizes may vary from 1 oz to 32 oz. The value for # will be calculated using the following formula:

# = dosage (oz) / bag size (oz)

For instance, if a 1 oz bag is used, the 2 oz dosage will say "2 oz (2 bags)". No partial bag dosages (e.g. 1 1/2 bags) will be listed.}

<sup>4</sup> The word "bag[s]" may be substituted with other single use packing such as "pouch[es]", "pod[s]", or "pack[s]".

**[ALGAE CONTROL:** Add a shock dosage of this product as close as possible to any algae on the sides or bottom of the pool. If necessary, repeat the treatment. To optimize treatment and prevent possible staining or bleaching, immediately after treatment, thoroughly clean pool by brushing surface of algae growth and disperse any granules on the bottom of the pool.]

**[For preventative algae control:** Add a shock dosage weekly. However, if problems persist use your preferred [brand] algaecide product regularly. Follow label directions on [the algaecide] {or} [that product].]

**[WINTERIZING:** Gradually add 36 oz. [(# bag[s])] of this product per 10,000 gallons of pool water that is clear and clean. Run the filter pump until granules are completely dissolved. Cover the pool with a pool cover. Prepare the heater, pump and filter components for winterizing by following manufacturer's directions.]

### **{Use 2}[Spa & Hot Tubs]**

#### **{Mass Channel}**

##### **{Sanitizer}**

**[WHY YOU SHOULD USE THIS PRODUCT:** This is an effective [sanitizer] product that [kills bacteria and algae], [and] [is fast dissolving], and [will not lower pH]. [This product provides crystal clear results in 24 hours.] [It is convenient, easy to use, and won't over-stabilize your spa.]]

##### **{Shock}**

**[WHY YOU SHOULD USE THIS PRODUCT:** This is an effective [shock] product that [kills bacteria and algae], [and] [is fast dissolving], and [will not lower pH]. [This product provides crystal clear results in 24 hours.] [It is convenient, easy to use, and won't over-stabilize your spa.]]

##### **{Sanitizer}**

**[WHY YOU SHOULD USE THIS PRODUCT:** This is an effective [sanitizer] that kills bacteria and algae. It is fast dissolving and will not lower pH. [This product provides crystal clear results in 24 hours.] [It is convenient, easy to use, and won't over-stabilize your spa.]]

##### **{Shock}**

**[WHY YOU SHOULD USE THIS PRODUCT:** This product is an effective [shock] that [kills bacteria and algae], [and] [is fast dissolving], and [will not lower pH]. [This product provides crystal clear results in 24 hours.] [It is convenient, easy to use, and won't over-stabilize your spa.]]

**HOW TO USE:** [Do not pre-mix this product before adding it to your spa. Only add this product directly to your spa.] [Use only a clean, dry [scoop] [lid] to measure this product. Do not use the [scoop] [lid] for any other purpose.]

Add the recommended dosage of this product while the filter pump is running. Scatter the product over the surface of the water. If any granules settle to the bottom of the spa use brush to disperse.

Test free available chlorine residual with a spa test kit. Do not enter spa until the free available chlorine residual is 3-5 ppm. **Re-entry Into treated spas is prohibited above levels of 5 ppm for risk of bodily injury.**

**[WATER BALANCE:** For best product performance, comfort, and [crystal] [clear] [clean] water: Maintain total alkalinity in the range of 60 to 100 parts per million (ppm). Maintain pH in the range of 7.2 to 7.8. Maintain calcium hardness above 200 ppm. Use a reliable test kit that measures all these ranges. Use [brand] Spa Care Products to make adjustments. Follow label directions for each product and allow each product to dissolve and disperse before adding additional products to the spa. Always check and adjust total alkalinity before adjusting pH levels.]

#### **{Mass Channel}**



[[Download the [FREE] [Test to Swim™] [application name] app from your smartphone] [for expert water analysis, product recommendations, and dosage instructions].]

[Visit a [Test to Swim™ Station] [device/station name], at participating retailers, for expert water analysis, product recommendations and dosage instructions. [To find a participating retailer near you, visit [www.hthpools.com/XXX](http://www.hthpools.com/XXX)].]

[Use a [Test to Swim™ Station] [device/station name] (at participating retailers) or download the Test to Swim™ [application name] app from your smartphone] [for expert water analysis, product recommendations, and dosage instructions].]

**{Dealer Channel}**

[Take a spa water sample to your [brand] dealer frequently to test for water balance.] Maintain free available chlorine between 3 – 5 ppm.]

{or}

**[WATER BALANCE:** For best product performance, comfort and crystal clear water, use [brand] spa care products to maintain the following water balance:

Acceptable Range for Balance	
Total Alkalinity	60 - 100 ppm
pH	7.2 - 7.8
Calcium Hardness	Above 200 ppm
Available Chlorine	3 - 5 ppm

Note: Follow the label directions for each product and allow each product to dissolve and disperse before adding additional products to the pool. Always check and adjust total alkalinity before adjusting pH levels. [Use a reliable test kit [or test strips] that measure[s] all these ranges.]]

**[OPENING YOUR SPA [OR HOT TUB]]([Freshly Filled])]:** Add 1 oz [(2 tablespoons (Tbsp))] [(#<sup>5</sup> bag[s]<sup>6</sup>) of this product for each 500 gallons of water. Repeat dosage as needed until the free available chlorine residual is 3-5 ppm.]

**[ROUTINE CHLORINATION:** Add 1/2 oz [(1 Tbsp)] [(# bag[s])] of this product per 500 gallons of water, daily or as often as needed to maintain the free available chlorine residual at 3-5 ppm.]

**[SHOCK TREATMENT]/[ SUPERCHLORINATION]:** After each use, shock treat with 1 oz [(2 Tbsp)] [(#bag[s])] of this product per 500 gallons of water, to control odors and algae. Repeat as needed. [Water soluble, non-filterable wastes can accumulate in spa or hot tub water and cause dull or cloudy water and can stimulate algal growth. [Superchlorination] [Shock treatment] must be done on a regular basis to remove these wastes and maintain clear sparkling water.]

**[FOR PREVENTATIVE ALGAE CONTROL:** Add a shock dosage weekly. However, if problems persist use your preferred [brand] [spa] algaecide product regularly. Follow the label directions on that product.]

**[EXTENDED NON-USE PERIOD:** During extended non-use periods when the unit is not being used add 3 tsp of this product per 500 gallons twice a week with the circulation system running or as needed to maintain 3-5 ppm free available chlorine.]

[It is recommended that spas and hot tubs be drained every 30-90 days, more often under heavy use. Consult manufacturer's recommendations concerning the compatibility of chlorine sanitizers with their equipment. Some

<sup>5</sup> Single use bag sizes may vary from 1 oz to 32 oz. The value for # will be calculated using the following formula: # = dosage (oz) / bag size (oz)

For instance, if a 1 oz bag is used, the 2 oz dosage will say "2 oz (2 bags)". No partial bag dosages (e.g. 1 ½ bags) will be listed.)

<sup>6</sup> The word "bag[s]" may be substituted with other single use packing such as "pouch[es]", "pod[s]", or "pack[s]".

oils, lotions, fragrances, cleansers, or other contaminants may cause foaming or cloudy water and may react with chlorine sanitizers to reduce their efficacy.]

## **STORAGE & DISPOSAL:**

Do not contaminate food or feed by storage or disposal or cleaning of equipment

### *{Nonrefillable container - household/residential use}*

Keep this product dry in its tightly closed container when not in use. Store in a cool, dry, well-ventilated area. Keep away from heat or open flame. Nonrefillable container. Do not reuse or refill this container. Rinse empty container thoroughly with water to dissolve all material prior to disposal. Offer for recycling if available. FOR DISPOSAL OF A CONTAMINATED OR DECOMPOSING PRODUCT SEE "EMERGENCY HANDLING."

### *{Refillable container – household/residential use}*

Keep this product dry in its tightly closed container when not in use. Store in a cool, dry, well-ventilated area. Keep away from heat or open flame. Refillable container. Refill this container with calcium hypochlorite only. Do not use this container for any other purpose. Rinse empty container thoroughly with water to dissolve all material prior to disposal. FOR DISPOSAL OF A CONTAMINATED OR DECOMPOSING PRODUCT SEE "EMERGENCY HANDLING."

### *{Nonrefillable container - non-household/residential use}*

Pesticide Storage: Keep this product dry in its tightly closed container when not in use. Store in a cool, dry, well-ventilated area. Keep away from heat or open flame.

Container Handling and Disposal: Nonrefillable container. Do not reuse this container. Offer for recycling if available. Rinse empty container thoroughly with water to dissolve all material prior to disposal. FOR DISPOSAL OF A CONTAMINATED OR DECOMPOSING PRODUCT SEE "EMERGENCY HANDLING."

### *{Refillable container – non-household/residential use}*

Pesticide Storage: Keep this product dry in its tightly closed container when not in use. Store in a cool, dry, well-ventilated area. Keep away from heat or open flame.

Container Handling and Disposal: Refillable container. Refill this container with calcium hypochlorite only. Do not use this container for any other purpose. Cleaning of this container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, fill the container about 10 percent full with water. Agitate vigorously or recirculate with the pump for 2 minutes. Follow pesticide disposal instructions for rinsate disposal. Repeat procedure two more times. Offer rigid container for recycling if available or reconditioning if appropriate or place in trash. FOR DISPOSAL OF A CONTAMINATED OR DECOMPOSING PRODUCT SEE "EMERGENCY HANDLING."

**EMERGENCY HANDLING:** In case of contamination or decomposition – Do not reseal container. Immediately remove container to an open and well-ventilated outdoor area by itself. Flood with large amounts of water. Dispose of the container and any remaining contaminated material in an approved landfill area.

*{Note to reviewer: The following are optional marketing content}*

**{Treatment}**

[1 bag [pouch] [pod] [pack] [delivers] [treats] [5 ppm of chlorine] [in] [14,000 gallons]

[1 lb. [delivers] [treats] [5 ppm of chlorine] [in] [14,000 gallons]]

[For heavy bather loads or after heavy rains]

[1 [bag] [pouch] [pod] [pack] [treats] [X gallons]

[Single use bag sizes may vary from 1 oz to 32 oz. The number of gallons treated (X) is calculated using the following formula:

X gallons treated = bag size in ounces x 14,000/16

So a 16 oz. bag would treat  $16 \times 14,000/16 = 14,000$  gallons

And an 8 oz bag would treat  $8 \times 14,000/16 = 7,000$  gallons]

**{Pool Type}**

[[Best used with] [Ideal for] [For] pop-up pools]

[[For use][Ideal] [with] [for] all pool [surfaces][types]]

[Ideal for [vinyl-lined pools] {or} [pools with vinyl liners] when used as directed]

[[For use] [Ideal] [with] [for] all pool types [including vinyl-liner pools]]

[Ideal for [in ground] [and][&] [above ground] [pools] [with a skimmer]]

[Good for all pool surfaces]

[Special pop-up pool size]

**{Spa Type}**

[Ideal for spa use]

**{Sanitizer}**

[Provides effective chlorination [at an economical price]]

[Provides [long lasting] [chlorination][sanitization]]

[58% available chlorine]

[59.5% active ingredient]

[Concentrated granular [chlorinator][sanitizer]]

[[Routine] Sanitizer [for chlorine pools][for chlorine spas]]

[Sanitizes for [brilliantly] clear water]

[Sanitizes pool water]

[Swimming pool sanitizer]

[Regulates chlorine release]

[Sanitizer]

[Use only with Pulsar chlorinator systems]

[Use only with Constant Chlor chlorinator systems]

[Chlorinating granules for [multiple] [pool] [[and][&]] [spa] [use[s]]]

[Shock Treatment [[and][&]] [Superchlorinator] for [Swimming Pools] [and] [&][Spas]]

[Convenient Routine Chlorinator]

**{Bacteria Control}**

[Bacteria [destroying][killing]]

[Begins working [fast] to destroy bacteria]

[Destroys bacteria]

[Destroys organic contaminants]

[[Eliminates] [Kills] bacteria]

**{Shock}**

[Effective shock [and][&] oxidizer]]

[Multi-functional shock treatment]

[Shock]

[Oxidizer]

[Special shock formula]

[For pool startup and weekly shock treatment]

[Dry, free-flowing form]  
[Shock Treatment [[and][&]] [Superchlorinator] for [Swimming Pools] [and] [Spa[s]]  
[Advanced formula compared to AW52 {product name for 1258-1343} [and] HTH Pool Shock {product name for 1258-1237}]]

#### **{Algae}**

[Algae [destroying][killing][fighting]]  
[Algaecide]  
[[Controls][Destroys] [Kills] [Inhibits] [Prevents] algae]  
[[With][Contains] built-in algae [protection][fighter]]

#### **{Bacteria & Algae}**

[Bacteria [and][&] algae control]  
[[Controls] [Destroys] [Kills] [Inhibits] [Prevents] [Bacteria] [and][&] Algae]  
[Kills bacteria, destroys organic contaminants [and][&] controls algae]  
[Routine use protects water from bacteria [and][&] algae]  
[Protects against bacteria [and][&] algae]

#### **{Clarifier}**

[Clears cloudy water]  
[[Creates] [Produces] sparkling, crystal clear water]  
[Crystal clear results in 24 hours]  
[Keeps [pool] [spa] water clean [and][&] crystal clear]  
[Maintains brilliantly clear water]  
[Restore[s] crystal clarity to water]  
[For crystal clear, sparkling blue water]  
[Delivers sparkling [pool] [spa] water]

#### **{Multi-Benefit}**

[[All-in-one] [Shocks] [clarifies] [chlorinates] [sanitizes] [kills algae] [and][&] [oxidizes]]  
[[Multipurpose] [All-in-One] sanitizer and shock treatment]  
[6-in-1 [Action] [Shock Treatment] [Sanitizer]  
[5-in-1 [Action] [Shock Treatment]] [Sanitizer]  
[4-in-1 [Action] [Shock Treatment]] [Sanitizer]  
[3-in-1 [Action] [Shock Treatment]] [Sanitizer]  
[2-in-1 [Action] [Shock Treatment]] [Sanitizer]  
[2-in-1 Action: Sanitizes and prevents algae]  
[Dual action: Sanitizes and prevents algae]  
[Chlorinating granules for multipurpose uses]  
[Controls algae, kills bacteria and destroys organic contaminants in [pools] [spas & hot tubs]]

#### **{Pack Description}**

[[Brand name] [[X] x 1 lb.] [Bonus Pack]] {where "X" represents a number}  
[[X] Bags of [brand name]] {where "X" represents a number}  
[[X] convenient, pre-measured 1lb. bags] {where "X" represents a number}  
[[Bonus Pack] [X] Bags of [brand name][Shock]] {where "X" represents a number}  
[[Special] [Value] [Bonus] [X] Pack] {where "X" represents a number}  
[[Summer][X] [Pack][bonus pack]] {where "X" represents a number}

#### **{Test Strips}**

[[X] FREE [brand] [product name] [test strips] included] {where "X" represents a number}  
[[Bonus Pack with] [X] [FREE] [brand] [product name] [test strips] [inside]] {where "X" represents a number}  
[[Bonus] [X count] [brand] [product name] [test strips] [inside]] {where "X" represents a number}  
[[FREE] [Trial pack] [brand] [product name] [test strips] [inside]]

#### **{Fast Acting}**

[[Fast] [acting] [dissolving]]

***{Marketing Language}***

[[Here to Help] [since 1928]]  
[Pool [Care] Experts since 1928]  
[Special formula]  
[Bonus Pack]  
[Value Pack]  
[[New] [improved] formula] {"New" to be used for six months}  
[[New] advanced formula] {"New" to be used for six months}  
[Concentrated Formula]  
[Concentrated, Fast Acting Formula]

***{Residue/ Solubility/Scale}***

[Leaves no residue]  
[No fading of liner[s] when used as directed]  
[Non-staining formula]  
[[Won't] [Will not] [fade] [or] liner when used as directed]  
[[Won't] [Will not] [cause staining] [or] [damage liners] when used as directed]  
[Totally soluble]

***{Ease of Use}***

[Easy to use]  
[Easy, economical, convenient to use]  
[Reduced maintenance formulation]  
[Convenient]  
[Economical]

***{Stabilization}***

[[No risk of] [Will not cause] over stabilization]

***{Odor}***

[Reduces chlorine odor]

***{Eye Irritation}***

[Reduces eye irritation caused by swimming pool water]

***{pH Control}***

[Will not [lower][affect] pH]

***{Compatibility with salt pools}***

[Compatible with salt [water] [systems] [pools]]  
[Salt [water] [system] [pool] compatible]

***{Steps}***

[For best results, follow the [brand] 3-Step Program:]  
[For best results, follow the [brand] 4 step pool care program:]  
[Step] [1] [Balance]  
[Step] [2] [Sanitize]  
[Step] [3] [Shock] [Weekly]  
[Step] [4] [Prevent Algae]

{Graphic renderings of the 4 steps:}



[ ] {for routine chlorination directions}



[ ] {for shock treatment directions}

[[Brand] Step System:]

[Step] [1] [Balance]

[Step] [2] [Sanitize]

[Step] [3] [Shock] [Weekly]

[Enhance]

[Prevent]

[[Brand or poolife®] 3-Step System:]

[Step] 1 [Sanitize It!]

[Step] 2 [Shock It!]

[Step] 3 [Defend It!]

{Graphic renderings of the 3 steps:}



[ ] {for routine chlorination directions}



[ ] {for shock treatment directions}





HOW TO CALCULATE POOL CAPACITY IN U.S. GALLONS	
POOL SHAPE	FORMULA (Dimensions in feet)
Rectangular:	$L \times W \times AD \times 7.5 = \text{total gallons}$
Round:	$Di \times Di \times AD \times 5.9 = \text{total gallons}$
Oval:	$\text{Maximum } L \times \text{maximum } W \times AD \times 5.9 = \text{total gallons}$
Freeform:	$\text{Surface area (sq. feet)} \times AD \times 7.5 = \text{total gallons}$

L = Length, W = Width, AD = Average Depth, Di = Diameter]

{or}

[To calculate your pool's capacity, visit [hthpools.com/XXXX](http://hthpools.com/XXXX).]



[ {or} [ ]

[Made in the USA]

[Made in the USA of US and imported content.]



[For product questions/support [from [brand] pool [and spa] care experts:]

[Call: [brand number] [866-HTH-Pool]]

[Chat online: [brand website] [[hthpools.com](http://hthpools.com)]]

[We're available 7 days a week from 8 AM to 10 PM EST]

[Visit: [brand website] [[hthpools.com](http://hthpools.com)]]



[Get social with us at:] [Connect and Swim with us on Social [Media]:]

[\[www.youtube.com/brand\]](http://www.youtube.com/brand)  
[\[www.facebook.com/brand\]](http://www.facebook.com/brand)  
[\[www.instagram.com/brand\]](http://www.instagram.com/brand)  
[\[www.pinterest.com/brand\]](http://www.pinterest.com/brand)  
[\[www.google.com/+brand\]](http://www.google.com/+brand)

{OR}

[use social icons]

[[Brand name] and the [brand] logo are trademarks of Lonza or its affiliates.]  
 [[HTH®][brand] and the [HTH®][brand] logo are registered trademarks of Arch Chemicals, Inc.]

*{Note to reviewer: The following are optional proprietary graphics}*



*{graphic rendering of the product}*

